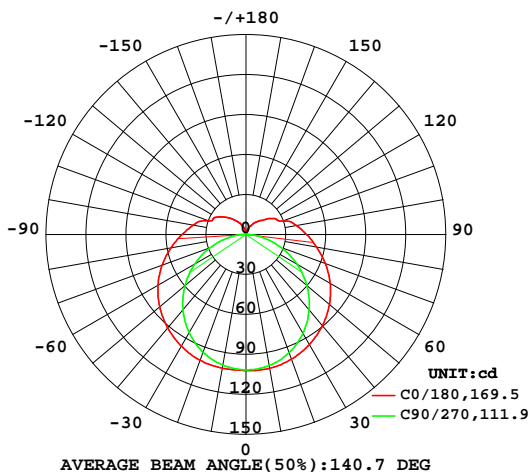


LUMINAIRE PHOTOMETRIC TEST REPORT

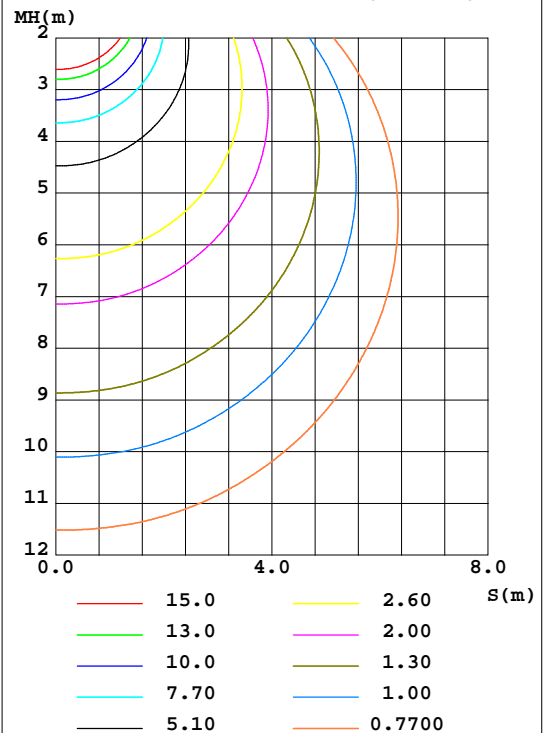
| | | |
|---|--------------------|------------------|
| Test:U:24.00V I:0.4050A P:9.720W PF:1.000 Freq:0Hz Lamp Flux:460.932x1 lm | | |
| NAME: NNS1224 | TYPE: | WEIGHT: |
| SPEC.:NNS1224-8LW24CSS050CC0100-1 | DIM.: 1000*12*24mm | SERIAL No.: |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 47.42 lm/W | | | |
|------------------|---------|----------------------------------|---------|-------------------|----------|
| MODEL | NNS1224 | I _{max} (cd) | 102.3 | S/MH(C0/180) | 1.42 |
| NOMINAL POWER(W) | 9.6 | LOR(%) | 100.0 | S/MH(C90/270) | 1.25 |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 460.93 | h UP,DN(C0-180) | 8.5,40.7 |
| NOMINAL FLUX(lm) | 460.932 | CIE CLASS | SEMI-D. | h UP,DN(C180-360) | 9.1,41.7 |
| LAMPS INSIDE | 1 | h up(%) | 17.5 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE(V) | 24 | h down(%) | 82.5 | CIBSE SHR MAX | 1.50 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:COLORS
 Test Date:2019-07-01

g Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.750m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

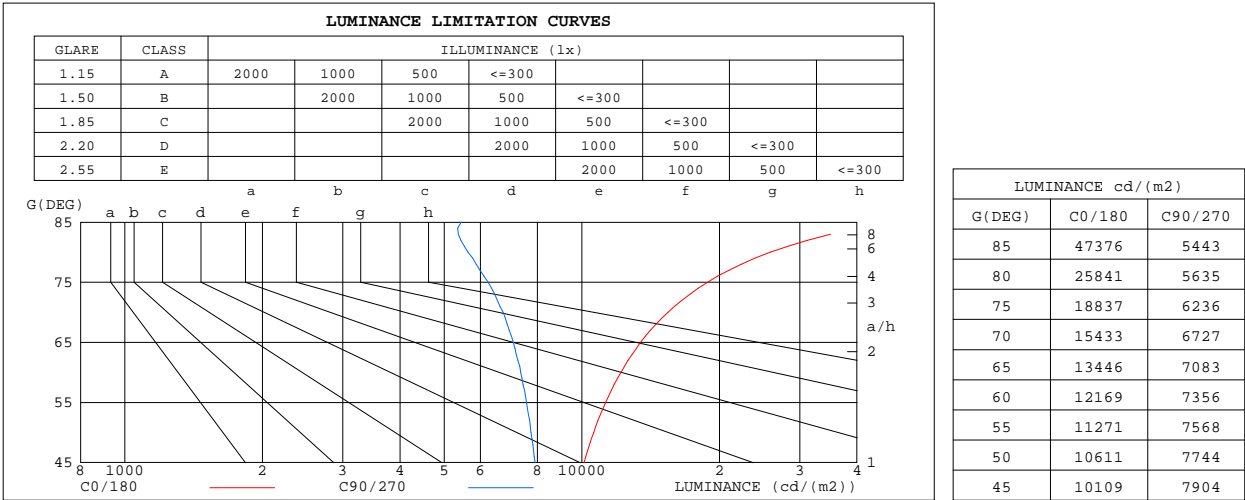
| g | C0 | C90 | C180 | C270 | | | | | g | F zone | F total | %lum,lamp |
|-----|-----------------------|--------|-------|--------|--|--|--|--|---------|---------|---------|-----------|
| 10 | 102.0 | 99.91 | 101.9 | 99.62 | | | | | 0~ 10 | 9.676 | 9.676 | 2.1,2.1 |
| 20 | 99.61 | 94.49 | 100.5 | 94.12 | | | | | 10~ 20 | 28.09 | 37.76 | 8.19,8.19 |
| 30 | 95.34 | 85.64 | 96.94 | 85.20 | | | | | 20~ 30 | 43.51 | 81.27 | 17.6,17.6 |
| 40 | 89.36 | 73.88 | 91.49 | 73.59 | | | | | 30~ 40 | 54.28 | 135.6 | 29.4,29.4 |
| 50 | 81.85 | 59.73 | 84.58 | 59.82 | | | | | 40~ 50 | 59.46 | 195.0 | 42.3,42.3 |
| 60 | 73.01 | 44.14 | 76.31 | 44.51 | | | | | 50~ 60 | 58.75 | 253.8 | 55.1,55.1 |
| 70 | 63.34 | 27.61 | 66.93 | 28.21 | | | | | 60~ 70 | 52.57 | 306.3 | 66.5,66.5 |
| 80 | 53.85 | 11.74 | 57.06 | 12.69 | | | | | 70~ 80 | 42.32 | 348.7 | 75.6,75.6 |
| 90 | 45.58 | 2.078 | 48.06 | 3.115 | | | | | 80~ 90 | 31.41 | 380.1 | 82.5,82.5 |
| 100 | 38.73 | 0.3670 | 40.52 | 0.3451 | | | | | 90~100 | 24.06 | 404.1 | 87.7,87.7 |
| 110 | 29.88 | 0.5795 | 30.08 | 0.5020 | | | | | 100~110 | 19.21 | 423.3 | 91.8,91.8 |
| 120 | 24.33 | 0.7985 | 26.10 | 0.7142 | | | | | 110~120 | 13.72 | 437.1 | 94.8,94.8 |
| 130 | 16.96 | 0.9725 | 20.41 | 0.9011 | | | | | 120~130 | 10.28 | 447.3 | 97.1,97.1 |
| 140 | 12.52 | 1.146 | 14.86 | 1.068 | | | | | 130~140 | 6.684 | 454.0 | 98.5,98.5 |
| 150 | 7.908 | 1.281 | 10.36 | 1.210 | | | | | 140~150 | 3.976 | 458.0 | 99.4,99.4 |
| 160 | 4.353 | 1.565 | 6.444 | 1.538 | | | | | 150~160 | 2.023 | 460.0 | 99.8,99.8 |
| 170 | 1.610 | 1.783 | 1.755 | 1.738 | | | | | 160~170 | 0.7354 | 460.8 | 100,100 |
| 180 | 1.545 | 1.957 | 1.532 | 1.951 | | | | | 170~180 | 0.1634 | 460.9 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-07-01

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|--------------------|------------------|
| Test:U:24.00V I:0.4050A P:9.720W PF:1.000 Freq:0Hz Lamp Flux:460.932x1 lm | | |
| NAME: NNS1224 | TYPE: | WEIGHT: |
| SPEC.:NNS1224-8LW24CSS050CC0100-1 | DIM.: 1000*12*24mm | SERIAL No.: |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |



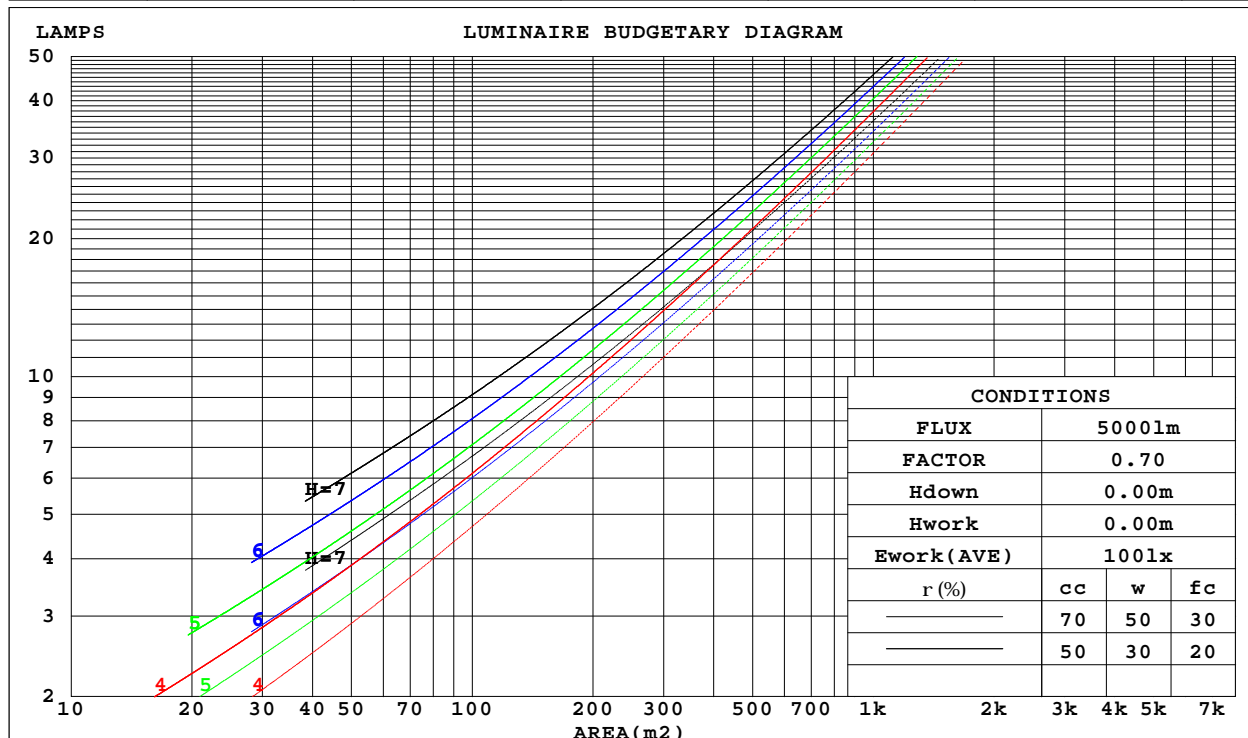
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-07-01

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|--------------------|------------------|
| Test:U:24.00V I:0.4050A P:9.720W PF:1.000 Freq:0Hz Lamp Flux:460.932x1 lm | | |
| NAME: NNS1224 | TYPE: | WEIGHT: |
| SPEC.:NNS1224-8LW24CSS050CC0100-1 | DIM.: 1000*12*24mm | SERIAL No.: |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |

| r _{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| r _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| r _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | | | | | | | | | | |



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:COLORS
 Test Date:2019-07-01

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.750m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|---|--------------------|------------------|
| Test:U:24.00V I:0.4050A P:9.720W PF:1.000 Freq:0Hz Lamp Flux:460.932x1 lm | | |
| NAME: NNS1224 | TYPE: | WEIGHT: |
| SPEC.:NNS1224-8LW24CSS050CC0100-1 | DIM.: 1000*12*24mm | SERIAL No.: |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |

| | | | | | | |
|------|---|----------------|----------------|----------------|----------------|---|
| rcc | 80% | 70% | 50% | 30% | 10% | 0 |
| rw | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 0 |
| rfc | 20% | 20% | 20% | 20% | 20% | 0 |
| RCR | RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC) | | | | | |
| 0.0 | | | | | | |
| 1.0 | .377 .214 .068 | .364 .208 .066 | .341 .196 .062 | .319 .184 .059 | .299 .173 .056 | |
| 2.0 | .329 .180 .055 | .317 .175 .054 | .296 .165 .051 | .277 .155 .049 | .259 .146 .046 | |
| 3.0 | .293 .156 .047 | .283 .152 .046 | .264 .143 .043 | .246 .135 .041 | .230 .127 .039 | |
| 4.0 | .265 .138 .040 | .255 .134 .040 | .238 .126 .038 | .222 .119 .036 | .207 .112 .034 | |
| 5.0 | .241 .123 .036 | .233 .119 .035 | .217 .113 .033 | .202 .107 .032 | .188 .101 .030 | |
| 6.0 | .221 .111 .032 | .213 .108 .031 | .199 .102 .030 | .186 .096 .028 | .173 .091 .027 | |
| 7.0 | .204 .101 .029 | .197 .098 .028 | .184 .093 .027 | .172 .088 .026 | .160 .083 .024 | |
| 8.0 | .189 .093 .026 | .183 .090 .025 | .171 .085 .024 | .160 .081 .023 | .149 .076 .022 | |
| 9.0 | .177 .085 .024 | .171 .083 .023 | .160 .079 .022 | .149 .075 .021 | .139 .071 .020 | |
| 10.0 | .165 .079 .022 | .160 .077 .022 | .150 .073 .021 | .140 .069 .020 | .131 .066 .019 | |

| | | | | | | |
|------|--|----------------|----------------|----------------|----------------|---|
| rcc | 80% | 70% | 50% | 30% | 10% | 0 |
| rw | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 0 |
| rfc | 20% | 20% | 20% | 20% | 20% | 0 |
| RCR | RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC) | | | | | |
| 0.0 | .324 .324 .324 | .277 .277 .277 | .189 .189 .189 | .109 .109 .109 | .035 .035 .035 | |
| 1.0 | .320 .290 .264 | .274 .249 .227 | .187 .171 .157 | .108 .099 .091 | .034 .032 .030 | |
| 2.0 | .313 .267 .229 | .268 .230 .198 | .184 .159 .138 | .106 .093 .081 | .034 .030 .026 | |
| 3.0 | .305 .251 .207 | .262 .216 .180 | .180 .150 .126 | .104 .088 .074 | .033 .029 .024 | |
| 4.0 | .298 .238 .193 | .255 .206 .168 | .176 .144 .118 | .102 .084 .070 | .033 .027 .023 | |
| 5.0 | .290 .228 .183 | .249 .198 .159 | .172 .138 .112 | .099 .081 .067 | .032 .026 .022 | |
| 6.0 | .283 .221 .176 | .243 .191 .153 | .168 .134 .108 | .097 .079 .064 | .031 .026 .021 | |
| 7.0 | .276 .214 .171 | .237 .185 .149 | .164 .130 .105 | .095 .077 .063 | .031 .025 .021 | |
| 8.0 | .269 .208 .167 | .232 .181 .145 | .160 .127 .103 | .093 .075 .061 | .030 .025 .020 | |
| 9.0 | .263 .204 .164 | .226 .177 .143 | .157 .124 .101 | .091 .073 .060 | .030 .024 .020 | |
| 10.0 | .257 .199 .161 | .221 .173 .141 | .154 .122 .100 | .090 .072 .060 | .029 .024 .020 | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-07-01

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|---|------------------|------|------|------|--------------------|----------------|------|------------------|------|------|------|
| Test:U:24.00V I:0.4050A P:9.720W PF:1.000 Freq:0Hz Lamp Flux:460.932x1 lm | | | | | | | | | | | |
| NAME: NNS1224 | | | | | TYPE: | | | WEIGHT: | | | |
| SPEC.:NNS1224-8LW24CSS050CC0100-1 | | | | | DIM.: 1000*12*24mm | | | SERIAL No.: | | | |
| MFR.: Colors | | | | | SUR.:1000*12 | | | Shielding Angle: | | | |
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | | |
| x = 2H y = 2H | 23.1 | 24.5 | 23.6 | 25.0 | 25.5 | 21.3 | 22.7 | 21.8 | 23.2 | 23.8 | |
| | 3H | 25.7 | 27.0 | 26.3 | 27.5 | 28.1 | 22.9 | 24.2 | 23.4 | 24.7 | 25.3 |
| | 4H | 27.2 | 28.4 | 27.7 | 28.9 | 29.5 | 23.5 | 24.7 | 24.1 | 25.3 | 25.9 |
| | 6H | 28.8 | 29.9 | 29.4 | 30.5 | 31.1 | 24.0 | 25.1 | 24.6 | 25.7 | 26.3 |
| | 8H | 29.7 | 30.8 | 30.3 | 31.4 | 32.0 | 24.1 | 25.2 | 24.7 | 25.8 | 26.5 |
| | 12H | 30.8 | 31.8 | 31.4 | 32.4 | 33.1 | 24.2 | 25.3 | 24.8 | 25.9 | 26.6 |
| 4H | 2H | 23.6 | 24.8 | 24.2 | 25.4 | 26.0 | 22.3 | 23.5 | 22.9 | 24.1 | 24.7 |
| | 3H | 26.4 | 27.5 | 27.0 | 28.1 | 28.8 | 24.1 | 25.2 | 24.7 | 25.8 | 26.5 |
| | 4H | 28.1 | 29.0 | 28.7 | 29.6 | 30.3 | 25.0 | 25.9 | 25.6 | 26.5 | 27.2 |
| | 6H | 29.9 | 30.7 | 30.5 | 31.4 | 32.1 | 25.6 | 26.5 | 26.3 | 27.1 | 27.9 |
| | 8H | 30.9 | 31.7 | 31.6 | 32.4 | 33.1 | 25.9 | 26.7 | 26.5 | 27.3 | 28.1 |
| | 12H | 32.1 | 32.9 | 32.8 | 33.5 | 34.3 | 26.0 | 26.8 | 26.7 | 27.5 | 28.2 |
| 8H | 4H | 28.3 | 29.1 | 29.0 | 29.8 | 30.5 | 25.8 | 26.6 | 26.5 | 27.3 | 28.0 |
| | 6H | 30.4 | 31.1 | 31.1 | 31.8 | 32.6 | 26.8 | 27.5 | 27.5 | 28.2 | 29.0 |
| | 8H | 31.6 | 32.2 | 32.3 | 32.9 | 33.8 | 27.2 | 27.9 | 27.9 | 28.6 | 29.4 |
| | 12H | 33.1 | 33.6 | 33.8 | 34.4 | 35.2 | 27.6 | 28.2 | 28.3 | 28.9 | 29.7 |
| 12H | 4H | 28.3 | 29.1 | 29.0 | 29.8 | 30.5 | 26.1 | 26.8 | 26.7 | 27.5 | 28.2 |
| | 6H | 30.5 | 31.1 | 31.2 | 31.8 | 32.6 | 27.2 | 27.9 | 27.9 | 28.6 | 29.4 |
| | 8H | 31.8 | 32.3 | 32.5 | 33.1 | 33.9 | 27.8 | 28.4 | 28.6 | 29.1 | 29.9 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.2 | | | | | |
| 1.5H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.3 | | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.5 | | | | | |

CIE Pub.117, 460.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.7)

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-07-01

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|--------------------|------------------|
| Test:U:24.00V I:0.4050A P:9.720W PF:1.000 Freq:0Hz Lamp Flux:460.932x1 lm | | |
| NAME: NNS1224 | TYPE: | WEIGHT: |
| SPEC.:NNS1224-8LW24CSS050CC0100-1 | DIM.: 1000*12*24mm | SERIAL No.: |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |

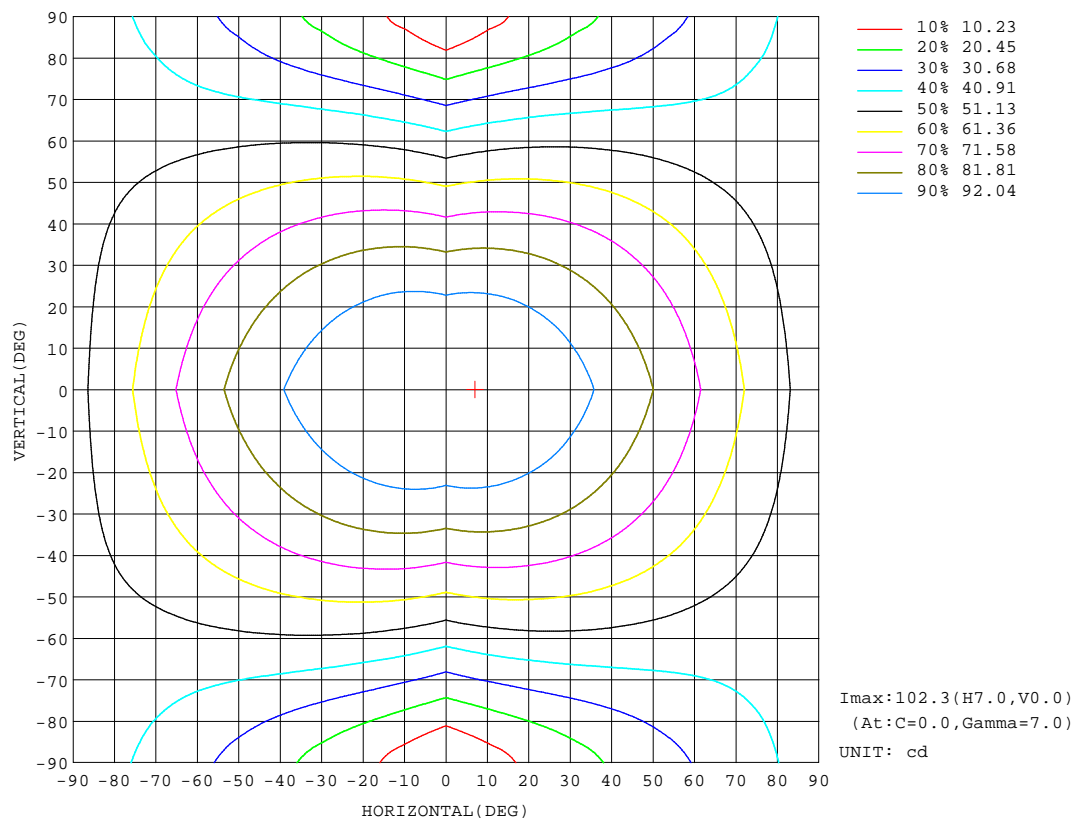
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| k = 0.60 | 48 | 36 | 29 | 47 | 35 | 28 | 45 | 34 | 28 | 21 |
| 0.80 | 57 | 45 | 37 | 56 | 44 | 36 | 53 | 42 | 35 | 27 |
| 1.00 | 65 | 52 | 44 | 63 | 51 | 44 | 60 | 52 | 42 | 34 |
| 1.25 | 72 | 60 | 51 | 70 | 58 | 50 | 66 | 56 | 49 | 39 |
| 1.50 | 77 | 65 | 57 | 75 | 64 | 56 | 70 | 61 | 54 | 43 |
| 2.00 | 85 | 74 | 66 | 82 | 72 | 64 | 76 | 68 | 61 | 50 |
| 2.50 | 89 | 79 | 71 | 86 | 77 | 69 | 79 | 72 | 66 | 54 |
| 3.00 | 93 | 84 | 76 | 89 | 81 | 74 | 83 | 76 | 70 | 57 |
| 4.00 | 97 | 90 | 83 | 94 | 87 | 81 | 86 | 81 | 76 | 62 |
| 5.00 | 100 | 94 | 88 | 96 | 90 | 85 | 89 | 84 | 80 | 65 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-07-01

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|--------------------|------------------|
| Test:U:24.00V I:0.4050A P:9.720W PF:1.000 Freq:0Hz Lamp Flux:460.932x1 lm | | |
| NAME: NNS1224 | TYPE: | WEIGHT: |
| SPEC.:NNS1224-8LW24CSS050CC0100-1 | DIM.: 1000*12*24mm | SERIAL No.: |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |



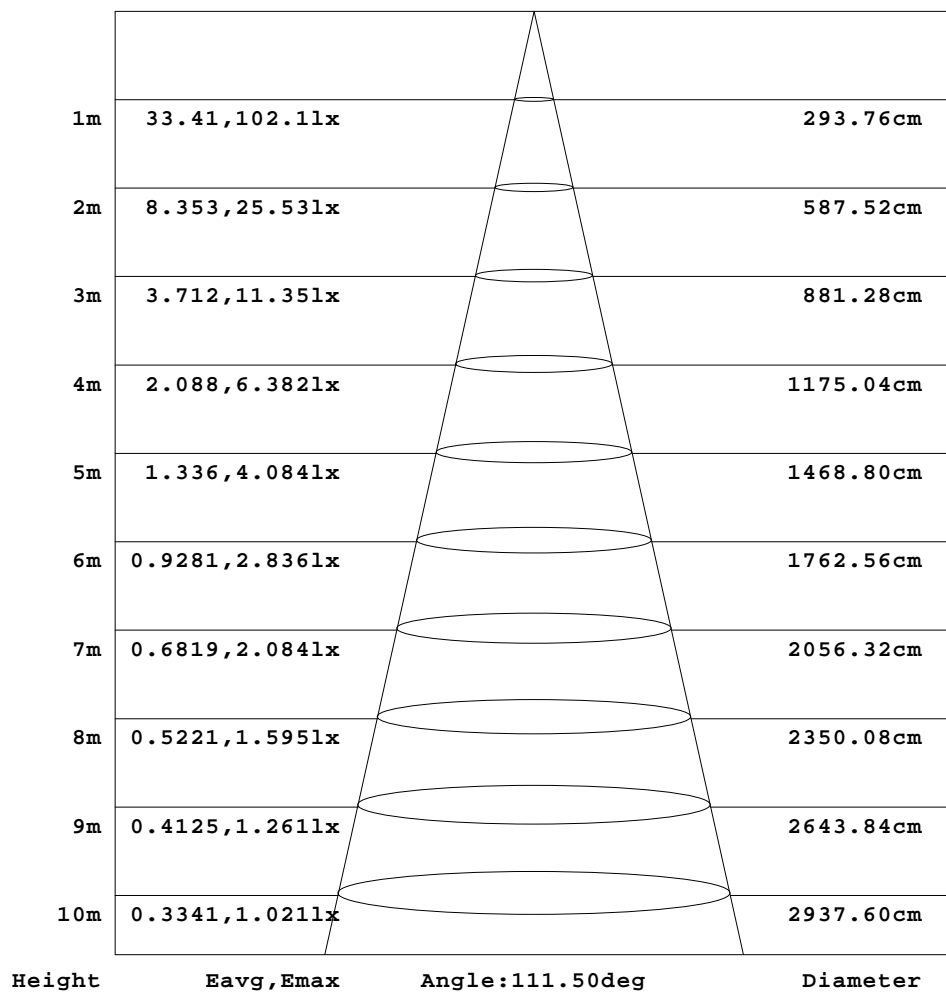
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-07-01

deg Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|--------------------|------------------|
| Test:U:24.00V I:0.4050A P:9.720W PF:1.000 Freq:0Hz Lamp Flux:460.932x1 lm | | |
| NAME: NNS1224 | TYPE: | WEIGHT: |
| SPEC.:NNS1224-8LW24CSS050CC0100-1 | DIM.: 1000*12*24mm | SERIAL No.: |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |

Flux out:230.7 lm



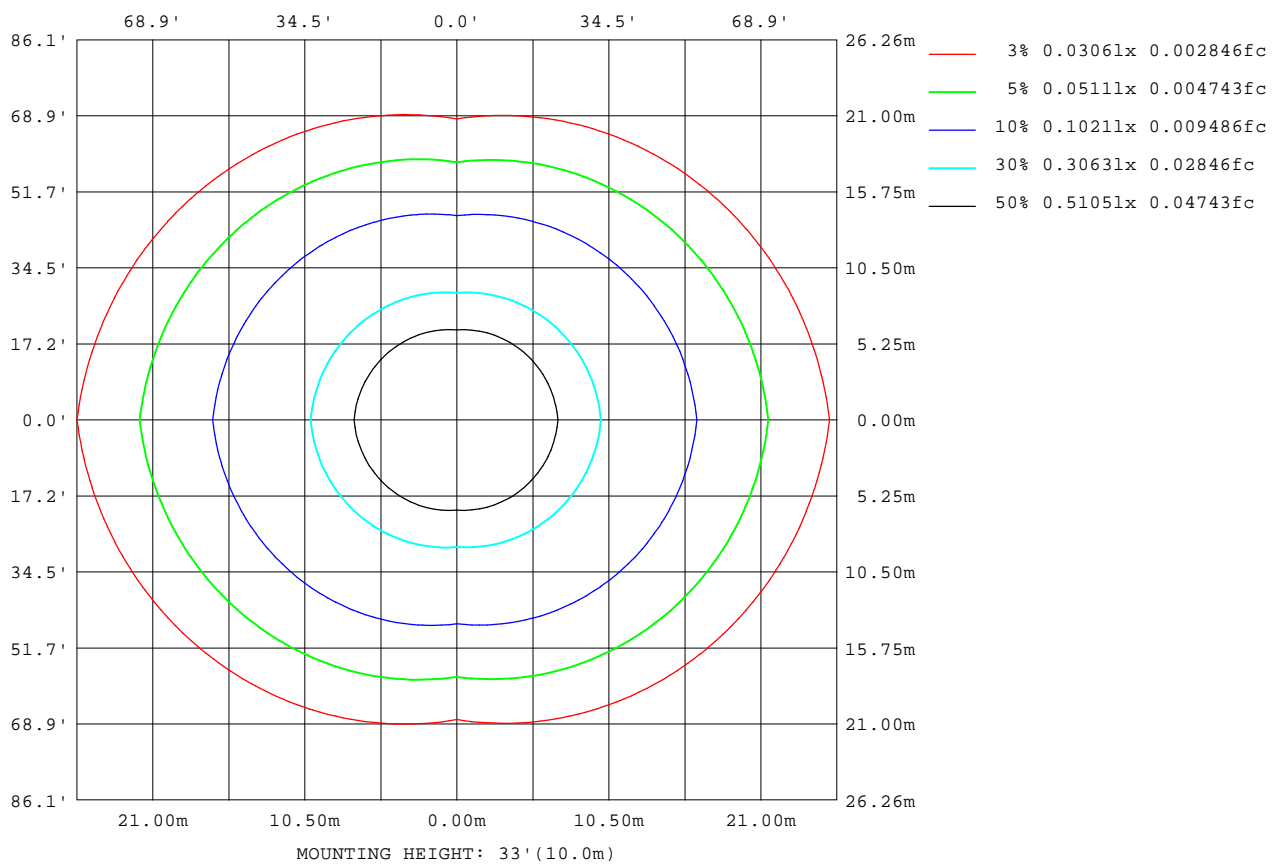
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-07-01

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|---|--------------------|------------------|
| Test:U:24.00V I:0.4050A P:9.720W PF:1.000 Freq:0Hz Lamp Flux:460.932x1 lm | | |
| NAME: NNS1224 | TYPE: | WEIGHT: |
| SPEC.:NNS1224-8LW24CSS050CC0100-1 | DIM.: 1000*12*24mm | SERIAL No.: |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-07-01

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|---|--------------------|------------------|
| Test:U:24.00V I:0.4050A P:9.720W PF:1.000 Freq:0Hz Lamp Flux:460.932x1 lm | | |
| NAME: NNS1224 | TYPE: | WEIGHT: |
| SPEC.:NNS1224-8LW24CSS050CC0100-1 | DIM.: 1000*12*24mm | SERIAL No.: |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |

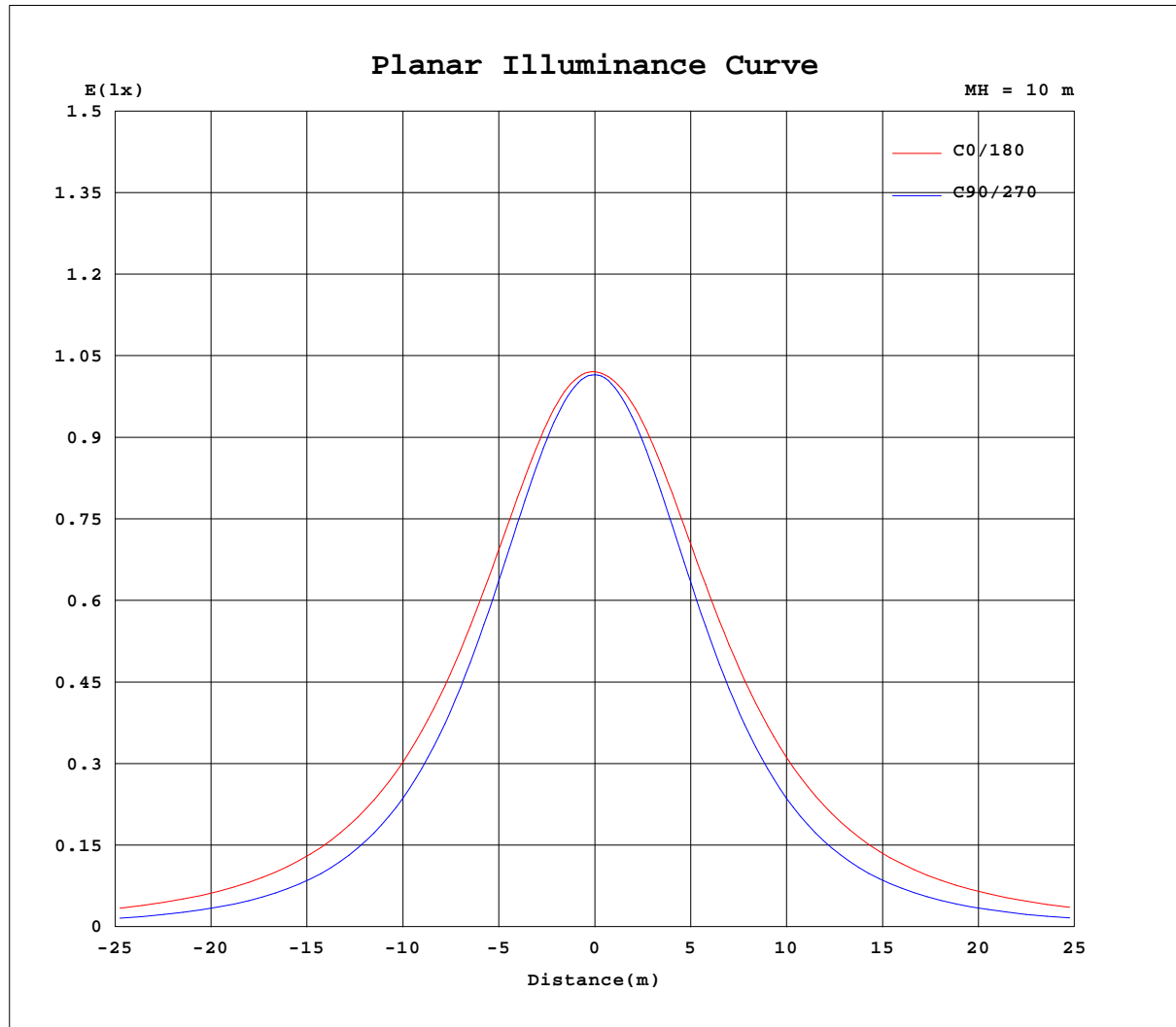
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 13796 |
| L_0~180(75)av | 19398 |
| L_0~180(85)av | 48733 |
| L_90~270(65)av | 7131 |
| L_90~270(75)av | 6357 |
| L_90~270(85)av | 5993 |
| L_45(65)av | 9652 |
| L_45(75)av | 11282 |
| L_45(85)av | 22105 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-07-01

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: COLORS
Test Date: 2019-07-01

Range: 0 - 180DEG
Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.750m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|--------------------|------------------|
| Test:U:24.00V I:0.4050A P:9.720W PF:1.000 Freq:0Hz Lamp Flux:460.932x1 lm | | |
| NAME: NNS1224 | TYPE: | WEIGHT: |
| SPEC.:NNS1224-8LW24CSS050CC0100-1 | DIM.: 1000*12*24mm | SERIAL No.: |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) g (DEG) | 0 | 90 | 180 | 270 | | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 102 | 102 | 102 | 102 | | | | | | | | | | | | | | | |
| 5 | 102 | 101 | 102 | 101 | | | | | | | | | | | | | | | |
| 10 | 102 | 99.9 | 102 | 99.6 | | | | | | | | | | | | | | | |
| 15 | 101 | 97.7 | 102 | 97.3 | | | | | | | | | | | | | | | |
| 20 | 99.6 | 94.5 | 101 | 94.1 | | | | | | | | | | | | | | | |
| 25 | 97.7 | 90.5 | 99.0 | 90.0 | | | | | | | | | | | | | | | |
| 30 | 95.3 | 85.6 | 96.9 | 85.2 | | | | | | | | | | | | | | | |
| 35 | 92.5 | 80.1 | 94.4 | 79.7 | | | | | | | | | | | | | | | |
| 40 | 89.4 | 73.9 | 91.5 | 73.6 | | | | | | | | | | | | | | | |
| 45 | 85.8 | 67.1 | 88.2 | 66.9 | | | | | | | | | | | | | | | |
| 50 | 81.9 | 59.7 | 84.6 | 59.8 | | | | | | | | | | | | | | | |
| 55 | 77.6 | 52.1 | 80.6 | 52.3 | | | | | | | | | | | | | | | |
| 60 | 73.0 | 44.1 | 76.3 | 44.5 | | | | | | | | | | | | | | | |
| 65 | 68.2 | 35.9 | 71.7 | 36.4 | | | | | | | | | | | | | | | |
| 70 | 63.3 | 27.6 | 66.9 | 28.2 | | | | | | | | | | | | | | | |
| 75 | 58.5 | 19.4 | 62.0 | 20.1 | | | | | | | | | | | | | | | |
| 80 | 53.8 | 11.7 | 57.1 | 12.7 | | | | | | | | | | | | | | | |
| 85 | 49.5 | 5.69 | 52.4 | 6.84 | | | | | | | | | | | | | | | |
| 90 | 45.6 | 2.08 | 48.1 | 3.11 | | | | | | | | | | | | | | | |
| 95 | 42.0 | 0.55 | 44.1 | 0.28 | | | | | | | | | | | | | | | |
| 100 | 38.7 | 0.37 | 40.5 | 0.35 | | | | | | | | | | | | | | | |
| 105 | 35.7 | 0.45 | 37.2 | 0.41 | | | | | | | | | | | | | | | |
| 110 | 29.9 | 0.58 | 30.1 | 0.50 | | | | | | | | | | | | | | | |
| 115 | 26.0 | 0.68 | 27.4 | 0.60 | | | | | | | | | | | | | | | |
| 120 | 24.3 | 0.80 | 26.1 | 0.71 | | | | | | | | | | | | | | | |
| 125 | 21.0 | 0.88 | 23.2 | 0.80 | | | | | | | | | | | | | | | |
| 130 | 17.0 | 0.97 | 20.4 | 0.90 | | | | | | | | | | | | | | | |
| 135 | 14.8 | 1.06 | 17.6 | 0.97 | | | | | | | | | | | | | | | |
| 140 | 12.5 | 1.15 | 14.9 | 1.07 | | | | | | | | | | | | | | | |
| 145 | 10.4 | 1.20 | 12.4 | 1.17 | | | | | | | | | | | | | | | |
| 150 | 7.91 | 1.28 | 10.4 | 1.21 | | | | | | | | | | | | | | | |
| 155 | 6.22 | 1.40 | 8.44 | 1.33 | | | | | | | | | | | | | | | |
| 160 | 4.35 | 1.56 | 6.44 | 1.54 | | | | | | | | | | | | | | | |
| 165 | 2.31 | 1.67 | 4.24 | 1.62 | | | | | | | | | | | | | | | |
| 170 | 1.61 | 1.78 | 1.76 | 1.74 | | | | | | | | | | | | | | | |
| 175 | 1.54 | 1.89 | 1.55 | 1.82 | | | | | | | | | | | | | | | |
| 180 | 1.55 | 1.96 | 1.53 | 1.95 | | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-07-01

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks: